

Electronic Retrograde Management System (eRMS)



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Agenda

- What is eRMS?
- What does eRMS do?
- What is an example of tailored eRMS support?
- What else does eRMS do?
- What are the benefits of eRMS?
- What are examples of eRMS benefits?
- Is eRMS a transportation system?
- Summary

What is eRMS?

- ❖ **A fielded system for planning, processing, and shipping repairables**
 - Web-based tool that automates and streamlines workload
 - Integrates NAVICP supply, transportation, and financial systems
 - Provides in-transit visibility (ITV), tracking, and metrics
- ❖ **A flexible system supporting wide range of customers and requirements**
 - Over 180 Navy Fleet / ashore, Marine aviation units
 - Over 1400 commercial repair vendors
 - Non-Navy support to all major ground Marine sites
- ❖ **A proven system that provides best-value transportation management**

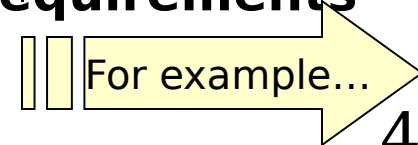
ean system for enabling an efficient repairables supply chain

What does eRMS do?

- ❖ **Processes retrograde to preclude errors up-front**
 - Reduces mis-ID rates
 - Lets the user know if item is an acceptable turn-in against what is owed
 - Lists special packaging and handling requirements
 - Facilitates expediting of asset-constrained items to depot

- ❖ **Guides user through specific steps of retrograde process:**
 - **Material identification:** Screens by part number, captures serial number
 - **Material routing:** Selects destination and priority (expedited vs routine)
 - **Workflow management:** Controls movement to packaging, shipping
 - **Simple transportation:** Allows smart manifesting, on-site pickups
 - **Document preparation:** Creates 2D barcoded DD1348s & item/shipping labels
 - **In-Transit Visibility:** Captures Proof of Shipment, Proof of Delivery
 - **Financial interface:** Submits credit for item turn-in
 - **Error prevention:** Preloads data, allows barcode scanning

- ❖ **Tailors functionality for individual customer requirements**



Retrograde (ATAC) Processing

Due-In From Maintenance (IOUs)

- DLRs/SECREPs which are Beyond Capability to Maintain (BCM) by customer
- Keyed to offsite requisition or onsite issue of wholesale (NWCF) material by exchange (Carcass Tracking)
- Also Material Returns for credit (MRP/MTIS) and Quality Deficiency Reviews (EI/ (P)QDRs)
- Document number, NSN, BCM

Screening & Processing

- Verify turn-in NSN matches P/N on item
- Verify item is compatible with retrograde owed to system
- Auto-determine destination from list of active repair sources (organic/com'l) or DD
- Auto-determine priority based on wholesale requirement for F-cond assets (not priority of requisition)

Packaging & Shipping

- Custody transfer to separate packaging / crating entities (e.g., BOS contractor)
- Multi-line smart manifesting options, by material type & destination
- Self-shipping by customer
- Automated pickups from site by ATAC shipper

Traceability, Accountability, In-Transit Visibility

- Global online visibility of processing/shipping status
- ~99.5% signature Proof of Delivery
- Online queries/reports

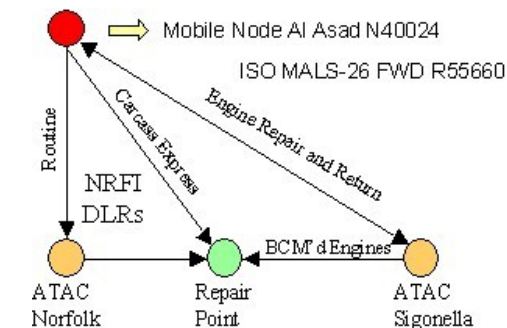
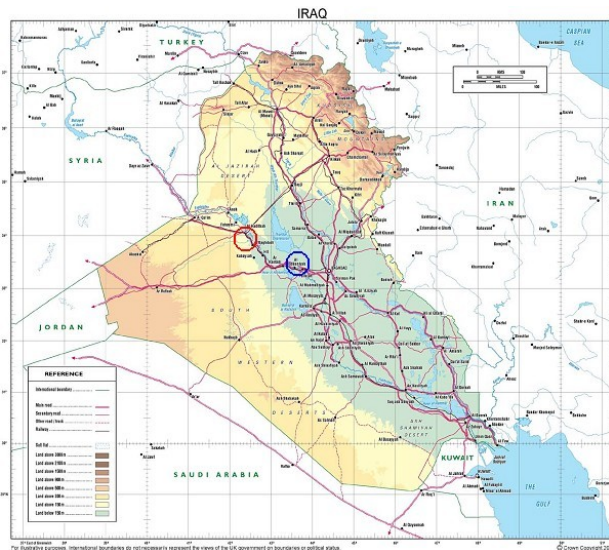
All ATAC shipments from RIPs done this way

USN-only **USN & USMC**

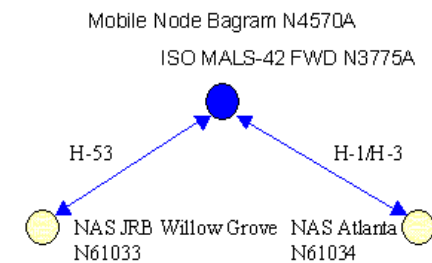
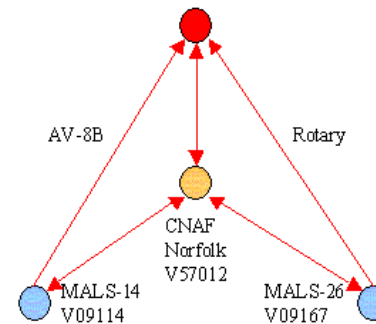
What is an example of tailored eRMS support?

Expeditionary Logistics: Mobile Nodes

- ❖ Rapid node setup
- ❖ Adaptable transportation
- ❖ Navy & non-Navy customers
- ❖ Past support for exercises in Egypt, Thailand, Philippines
- ❖ 48-hour response time for Hurricane Katrina
- ❖ **Flexible supply solutions!**



Mobile Node Kandahar N4568A
ISO 22nd MEU FWD V55672



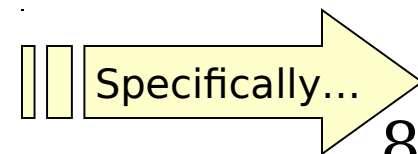
What else does eRMS do?

- ❖ **Enables efficient repairables movement in the wholesale supply system**
 - Manages redistributions of F-cond assets to commercial repair vendors (RDO)
 - Automates return of repaired A-cond items from commercial repair vendors (RFI)
 - Allows whole aviation engine movements (F- and A-cond)
 - Facilitates turn-in of discrepancy items (EI/QDR)
- ❖ **Manages Repair and Return (R&R) in the retail supply system**
 - Streamlines material distribution from one retail (warfighter) site to another
 - Provides visibility of repair action at the Intermediate Maintenance Activity (IMA)
 - Manages repair outcome: automates return of repaired A-cond items or turn-in of retrograde parts to the wholesale supply system
 - Allows centralized online maintenance of IMA capacities and capabilities
- ❖ **Supports warfighter turn-in of excess A-cond assets through same channels as retrograde**

One-stop shopping for all the customer's repairables needs

What are the benefits of eRMS?

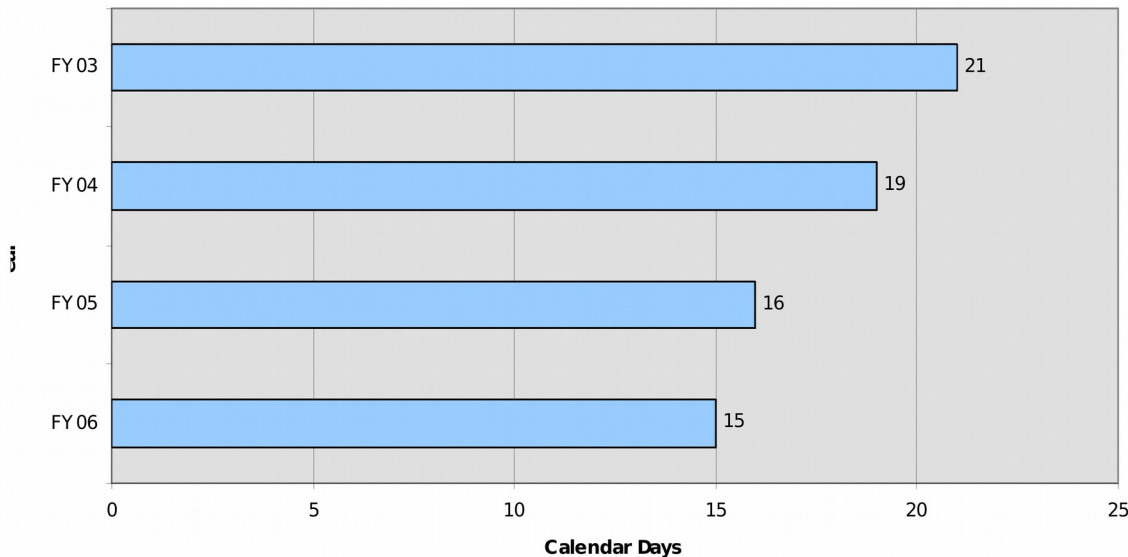
- ❖ **Tool for achieving cost-wise readiness**
 - Generates material accountability through increased visibility
 - Reduces warfighter / supply system workload by integrating supply, transportation, and financial functions
 - Enables decision on whether to expedite retrograde shipments, by item – not based on priority of requisition
 - Creates efficient and responsive retrograde system to optimize stock level investment and replenishment decisions



What are examples of eRMS benefits?

| DODAAC | Activity | Documented Retrograde Receipt % (Pre-eRMS) (Sample Size) | Documented Retrograde Receipt % (Post-eRMS) (Sample Size) |
|--------|---|---|--|
| N63042 | Naval Air Station Lemoore Lemoore, CA | 60.9% (9666 items) | 99.9% (12910 items) |
| R09112 | Marine Aviation Logistics Squadron 12 Iwakuni, Japan | 86.5% (3106 items) | 98.9% (7725 items) |
| V03369 | USS DWIGHT D EISENHOWER CVN 69 Atlantic Fleet | 78.3% (286 items) | 98.4% (1104 items) |

Global Retrograde Time



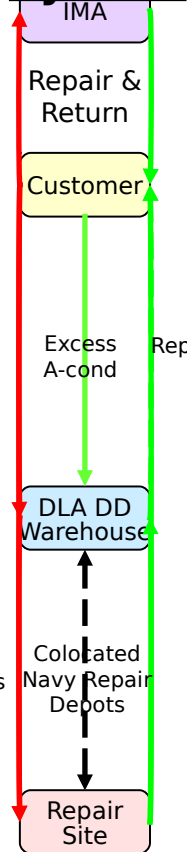
| | Misidentification Rate |
|--------------|------------------------|
| Without eRMS | 5% |
| With eRMS | 1% |

Is eRMS a transportation system?

- ❖ **No ... NAVICP's Advanced Traceability and Control (ATAC) program executes physical transportation**
 - ATAC uses eRMS to facilitate selection of most efficient transportation method and to monitor the status of shipments
 - eRMS is critical tool for handoff from supply to transportation
 - eRMS tracks visibility and accountability information
 - eRMS sites can: 1) request ATAC pickup; 2) ship themselves
- ❖ **Most CONUS sites request ATAC pickup**
 - ATAC has CONUS trucking contract from SDDC
 - Cost savings from time-sensitive consolidation
 - Minimal customer workload - carrier does all the work
- ❖ **Most OCONUS sites ship themselves**
 - ATAC works with sites to make smart shipping choices
 - WWX/IHX up to 300 lbs, com'l air or AMC over 300 lbs
 - Ship direct to final destination whenever possible

Bottom line: eRMS facilitates physical movement, but is not a transportation system

System Benefits



F-cond Retrograde

| Expedites | Routine |
|---|---|
| <p>1. Emergency (Life-threatening conditions)</p> <p>2. Urgent (Severe conditions requiring immediate attention)</p> <p>3. Standard (Non-emergency conditions)</p> | <p>1. Standard (Non-emergency conditions)</p> <p>2. Urgent (Severe conditions requiring immediate attention)</p> <p>3. Emergency (Life-threatening conditions)</p> |

Replenishments

Repaired
Assets

A-cond

“RFI”

Redistributions Navy Repair

DVDs,
Reconsignments

eRMS Role

Goal is to optimize repairables supply chain: mentality through pipeline
Maximize availability of assets; Minimize cost

- Reduce warfighter workload
- Validate identity of the item and the movement
- Facilitate timely, cost-effective transportation
- Serve as logistics integrator between supply and transportation systems
- Ensure supply and financial data integrity across the board
- Provide unified web IT system, interfacing with internal/external and legacy/future systems
- Foster cost-aware, performance-oriented

mentality throughout the supply chain pipeline.